

*Sub D27*  
8. (Amended) The method of claim 1, wherein said analyzing further comprises  
[a. obtaining DNA samples from family members of said individual,]  
[b.] a) analyzing [said] DNA samples obtained from family members for the presence of said  
DNA polymorphism; [,] and

[c.] b) correlating the presence or absence of the DNA polymorphism with a phenotypic  
diagnosis of bipolar mood disorder for said individual or for said family members, wherein a correlation  
is indicative of a bipolar mood disorder susceptibility polymorphism.

*Sub C*  
9. (Amended) A method for detecting the presence of a bipolar mood disorder (BP)  
susceptibility DNA polymorphism [linked to a gene associated with bipolar mood disorder] in an  
individual phenotypically diagnosed as having BP, the method comprising:

[a.] a) typing blood relatives of said individual for a DNA polymorphism located within a 500kb  
region of chromosome 18, wherein said region is located between and inclusive of SAVA5 and ga203;  
and [,]

[b.] b) analyzing a DNA sample from said individual for the presence of said DNA  
polymorphism, wherein a sharing of said DNA polymorphism in said region between the individual and  
a blood relative who has been phenotypically diagnosed as having BP is an indication that the  
polymorphism is a BP susceptibility polymorphism.

*Sub D3*  
10. (Amended) A method of genetically diagnosing bipolar mood disorder in an individual  
comprising:

[a. obtaining a DNA sample from said individual,]  
[b.] analyzing a [said] DNA sample obtained from an individual for the presence of a DNA  
polymorphism associated with bipolar mood disorder, wherein said DNA polymorphism is located  
within a 500 kb region of chromosome 18, wherein said region is located between and inclusive of  
D18S1140 and W3422 SAVA5 and ga203, wherein the presence of said DNA polymorphism is an  
indication that the individual has bipolar mood disorder.

*Sab*  
*D3*  
*22*  
*cont.*  
11. (Amended) A method of confirming a phenotypic diagnosis of bipolar mood disorder in an individual comprising:

[a. obtaining a DNA sample from said individual,]  
[b.] analyzing a [said] DNA sample obtained from an individual phenotypically diagnosed as having bipolar mood disorder for the presence of a DNA polymorphism associated with bipolar mood disorder, wherein said DNA polymorphism is located within a 500 kb region of chromosome 18, wherein said region is located between and inclusive of SAVA5 and ga203, wherein the presence of said DNA polymorphism confirms a phenotypic diagnosis of bipolar mood disorder.

*3*  
17. (Amended) A method for detecting an increased susceptibility to bipolar mood disorder in an individual comprising:

analyzing a sample of DNA from an [said] individual for the presence or absence of a DNA polymorphism associated with bipolar mood disorder on the short arm of chromosome 18 between SAVA5 and ga203 wherein the presence of said DNA polymorphism indicates an increased susceptibility to bipolar mood disorder.

*CX*  
20. (Amended) The method of claim 17, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of D18S1140 and W3422.

*CX*  
24. (Amended) The method of claim 17, wherein said analyzing further comprises:  
[a. obtaining DNA samples from family members of said individual,]  
[b.] a) analyzing [said] DNA samples obtained from family members of an individual for the presence of said DNA polymorphism; [ ] and  
[c.] b) correlating the presence or absence of the DNA polymorphism with a susceptibility to bipolar mood disorder for said individual or for said family members.

## II. REMARKS

### Formal matters

Claims 1-12 and 17-24 are pending in this application after entry of the amendments set forth above.